

STORMWATER WORK GROUP

2012-2013 WORK PLAN

KEY ACCOMPLISHMENTS EXPECTED IN 2012

Continue to implement our 2010 recommendations and update others on our progress:

- Finalize pooled resources oversight committee charter
- Publish streamflow gauging network analysis and recommend next steps
- Finalize small streams status and trends Quality Assurance Project Plan (QAPP)
- Finalize marine nearshore sediment sampling QAPP
- Mussel Watch workshop and recommendations for site selection
- Design and implement pre-proposal process for effectiveness studies
- Complete source identification literature review and recommend an implementation plan for the information repository
- Data management plans for each component of the Regional Stormwater Monitoring Program (RSMP)

Continue to develop and expand our regional stormwater monitoring strategy and gather support:

- Approve new recommendations for agricultural runoff
- New topic areas according to priorities set by work group and champion interest

PURPOSE AND OBJECTIVES

In 2010, the Stormwater Work Group (SWG) recommended a scientific framework, priorities, and specific steps to implement a broad, comprehensive regional stormwater monitoring and assessment strategy for Puget Sound. The strategy is focused on enabling us to know whether or not our management actions are successfully reducing harm caused to Puget Sound by stormwater from developed and developing lands. This document is intended to guide the SWG's near-term role in implementing the strategy and future expansion of the monitoring program.

The SWG's goals for 2012 and 2013 are:

1. Continue to implement the 2010 Strategy and our October 2010 *Recommendations for Municipal Stormwater Permit Monitoring*. Specifically:
 - Recommend a process and criteria for soliciting proposals and selecting effectiveness studies that will be conducted by the regional stormwater monitoring program.
 - Recommend specific next steps to create the regional source identification and diagnostic monitoring information repository.
 - Oversee the creation and administration of the pooled resources approach.
 - Be briefed regularly by Ecology as to the status of creating and implementing the pooled resources approach, and particularly in making contracting decisions to conduct monitoring and assessment activities.
 - Oversee the implementation of SWAMPPS.
 - Advise Ecology and PSP on tasks conducted in advance of permittee pay-in to the regional stormwater monitoring program (RSMP) and SWAMPPS activities conducted outside the permit-required RSMP.
 - Advise Ecology in selecting entities to implement ramp-up tasks using pooled resources.
 - Hear from experts on implementation of our recommendations.

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2. Communicate and coordinate with policy makers, monitoring groups and other interested parties in Puget Sound.
 - Educate elected officials, city and county staff, and others about our recommendations.
 - Participate in the ecosystem monitoring program as a topical work group.
 - Hear from other topical work groups at regular SWG meetings.
 - Engage in development of stormwater and monitoring sections of the Action Agenda update.
3. Continue to discuss strategic expansions of the 2010 Strategy to other water bodies, types of NPDES-permitted activities, land uses, or geographic areas of Puget Sound.

This draft work plan lays out the proposed tasks that need to be completed, their timelines, and the roles and responsibilities of various parties in completing the work. This work plan is meant to be a starting point for work planning discussions of the SWG and will be modified based upon their input and progress toward completing the identified tasks.

WORK TASKS AND SUBGROUPS

Work tasks: The following ten tasks are proposed to be accomplished during 2012-2013:

- Task 1: Support, manage, staff, and lead the SWG in implementing the Stormwater Assessment and Monitoring Program for Puget Sound (SWAMPPS)
- Task 2: Recommend and implement a well-defined process and criteria for selecting effectiveness studies to be conducted in the next 5 or more years
- Task 3: Oversee creation and administration of the pooled resources approach
- Task 4: Oversee implementation of SWAMPPS small streams status and trends
- Task 5: Oversee implementation of SWAMPPS marine nearshore status and trends
- Task 6: Communicate with policy makers and other interested parties in Puget Sound
- Task 7: Participate fully in the new Puget Sound Ecosystem Monitoring Program (PSEMP) and communicate and coordinate with other monitoring groups in Puget Sound
- Task 8: Continue to discuss expansions of SWAMPPS; scope and launch one or two new subgroups
- Task 9: Expand the SWAMMPS framework to address agricultural lands and issues
- Task 10: Oversee the implementation of a source identification and diagnostic monitoring information repository

Existing SWG Subgroups (as of the date of this work plan adoption):

- Agricultural Runoff
- Communication
- Effectiveness Study Selection
- Marine Nearshore Status and Trends
- Pooled Resources Oversight
- Small Streams Status and Trends
- Source Identification Information Repository
- Work Plan

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Task 1: Support, manage, staff, and lead the SWG in implementing the Stormwater Assessment and Monitoring Program for Puget Sound (SWAMPPS)

A broad, diverse membership has been used since 2008 to engage regional stakeholders in the process of developing a regional stormwater monitoring program. The SWG will continue to use their perspectives to implement SWAMPPS and demonstrate its success as a functional, meaningful, and cost-effective regional program. Ecology has assigned staff to support the work group. Participating entities and caucuses also provide support, expertise, and services.

The terms of service of the SWG chair and vice chair that were selected in February 2011 will end in February 2013. A chair and vice chair for 2013-2015 will be selected before the current terms expire. The chair executes the duties described in the SWG's bylaws.

This work plan update will be officially adopted by the SWG and submitted to Ecology and the Partnership in February 2012. The SWG will continue to evaluate its progress and adapt this work plan as needed. SWG meeting dates and proposed agenda topics are listed in the appendix to this document.

To implement this work plan, and full set of the SWG's October 2010 recommendations, the SWG staff and members will pursue opportunities for additional funding and resources to implement SWAMPPS.

Subgroup: Work Plan, and chairs of all other SWG subgroups
SWG staff and SWG chair to coordinate and assist as needed

Deliverables: SWG work plan for 2012-2013
Annual work plan updates
Products as described in Tasks 2 through 11 below
Grant proposals, interagency agreements, etc.
Chair and vice-chair nominated in January and selected in February, in odd years

Timeline: Adopt the SWG work plan update for 2012-2013 in February 2011
Subgroups propose 2013-2014 work plan updates in November-December 2012
2013-2014 work plan updates discussed in January and adopted in February 2013
Nominate and vote on candidates for chair/vice-chair January and February 2013
Pursue funding/leveraging opportunities as they become known/available

Task 2: Recommend and implement a well-defined process and criteria for selecting effectiveness studies to be conducted by SWAMPPS in the next 5 or more years.

In October 2010 the SWG tasked a subgroup to define and clarify the criteria and process for selecting effectiveness studies that will be conducted during the next NPDES municipal stormwater permit term and beyond using the pooled resources of permittees and others. The SWG approved a prioritized list of effectiveness study topics and questions and submitted them to Ecology in September 2011; the list was included in the formal draft NPDES permits out for comment from October 19, 2011 through February 3, 2012. The subgroup will evaluate and

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update the list using the findings literature review (which is due to be complete in January 2012) and relevant public comments Ecology receives. The subgroup will develop and recommend a transparent process for soliciting, evaluating, and selecting proposals for design and implementation of studies that rank high on the list.

Subgroup: Effectiveness Study Selection

Deliverables: Transparent process for updating effectiveness list and adding new questions
Updated list (result of transparent evaluation against literature review)
Recommendations for entire selection process
Process for workshop or pre-proposals developed and implemented
Data management plan and recommendations

Timeline: Final literature review delivered February 2012
Subgroup develop transparent selection process February-May 2012
Literature review crosswalk and update topic list February-April 2012
Present selection process for SWG review and discussion in March 2012
Present comparison to lit review and revised list of topics to SWG in April 2012
Present plans for workshop or request for pre-proposals to SWG in May 2012
Implement process after permits are issued in July 2012
Data management plan in 2013

Task 3: Oversee creation and administration of the pooled resources approach

The SWG recommended that Ecology serve as the administrative entity for pooling NPDES municipal stormwater permittees in Puget Sound. The SWG also recommended that the SWG have an oversight role, but did not define that role. Ecology should regularly brief the SWG as to the status of creating and implementing the pooled resources approach, and particularly in making contracting decisions to conduct monitoring and assessment activities. The SWG should deliver to Ecology a proposal for how SWG will oversee RFPs and pay-out.

A subgroup will recommend a process and timeline for the oversight of the pooled resources approach, particularly the pay-out contracting decisions. (This subgroup will also evaluate and recommend other options for administering the funds for the subsequent permit as they become available, although this task is not envisioned to be conducted during the time period covered by this SWG work plan.)

The SWG will review the preliminary informal draft permit monitoring language that Ecology plans to release in May 2011 for NPDES municipal stormwater permits; and also the final draft monitoring permit language that Ecology plans to release in October 2011 for NPDES municipal stormwater permits. The SWG will provide Ecology with feedback as to our committee's overall assessment of their proposed approach to implementing our recommendations and consider whether additional recommendations from our committee might be necessary or helpful.

Subgroup: Pooled Resources Oversight

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Deliverables: Select a subgroup chair

Recommendations for SWG role in overseeing pooled resources approach (technical and fiscal): revised, final charter.
Review the boilerplate cost-share agreement between Ecology and permittees
Comments on draft NPDES municipal stormwater permit monitoring language
Options besides Ecology for administering pooled funds
Written job description for a monitoring program director

Timeline: Comments on permit monitoring language due February 3, 2012

Revised charter to SWG in spring 2012
Implement full oversight process after permit is issued in July 2012 – ongoing
Position description presented to SWG in October 2012
Evaluate administrative entity options after this work plan period

Task 4: Oversee implementation of SWAMPPS small streams status and trends components

The SWG in prior recommendations outlined a number of ramp-up tasks necessary prior to implementation of regional monitoring activities. Some of these are envisioned to be conducted with federal and/or state funding in advance of permittees pooling their resources. Others will be implemented through the pooled resources approach. The SWG has a role in overseeing all SWAMPPS “ramp-up” and implementation activities.

Implementation of any or all of these tasks will be opportunistic, and backed by strategic planning. This list is not considered to be all-inclusive, and it is focused on activities needed to move forward with status and trends monitoring. See the *Recommendations for Municipal Stormwater Permit Monitoring* for more specifics.

- QAPP development and site selection for status and trends monitoring
 - Small streams: Draft final QAPP was published by Ecology in October 2011 for public comment coincident with the formal draft municipal stormwater NPDES permits. Subgroup will help evaluate comments on the draft QAPP and tee up recommendations for responses.
- Streamflow network analysis and recommended next steps: USEPA funded USGS to do the preliminary analysis, which is due to be published at the end of March 2012. The subgroup will recommend next steps for proposing monitoring locations and a stream gauging program design to support SWAMPPs. Follow up analyses will include evaluation of basin attributes; recommendations as to whether to pursue index site identification; analysis of existing water quality data; and cross-walk between flow and water quality sites.
- Coordination of data management for all SWAMPPS components: Ecology’s EIM and King County’s stream benthos database are envisioned to house the recommended stream status and trends monitoring. The subgroup will make recommendations for managing proposed SWAMPPS stream gauging data.
- Possible pilot studies

The SWG should also provide and pursue ongoing opportunities to hear from experts on implementation of our recommendations.

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Subgroup(s): Small Streams Status and Trends

Deliverables: Recommendations for responses to comments
Streamflow gauging network analysis and recommendations/follow-up analyses
Briefings by lead implementers at SWG meetings
QAPP, SOPs, site selection
Data management plan and recommendations
Oversight of ramp-up and implementation tasks

Timeline: Streamflow network analysis published in March 2012
Evaluate comments in April and recommend responses in May 2012
Final QAPP approved before permit issued in July 2012
Further analyses related to stream gauging to SWG by end of 2012
Recommendations for data management by end of 2012
Begin preparation for training and RFPs for monitoring in 2013
Briefings TBD
Oversight of ramp-up and implementation tasks as needed, ongoing

Task 5: Oversee implementation of SWAMPPS Marine Nearshore Status and Trends components

The SWG in prior recommendations outlined a number of ramp-up tasks necessary prior to implementation of regional monitoring activities. Some of these are envisioned to be conducted with federal and/or state funding in advance of permittees pooling their resources. Others will be implemented through the pooled resources approach. The SWG has a role in overseeing all SWAMPPS “ramp-up” and implementation activities.

Implementation of any or all of these tasks will be opportunistic, and backed by strategic planning. This list is not considered to be all-inclusive, and it is focused on activities needed to move forward with status and trends monitoring. See the *Recommendations for Municipal Stormwater Permit Monitoring* for more specifics.

- QAPP development and site selection for marine nearshore status and trends monitoring
 - Sediment sampling: Ecology EAP recommended sampling the 0-2m depth range and is developing GIS tools to support probabilistic sampling location selection.
 - Mussel sampling: WDFW staff determined approximate expected locations of populations of mussels in Puget Sound that would be adequate for sampling, and proposed criteria for selecting mussel sampling locations for status and trends.
 - Bacteria sampling: the subgroup recommended in 2011 that these sites be co-located with mussel sampling stations.
- Coordination of data management for all SWAMPPS components: The subgroup will make recommendations as to what combination of Ecology’s EIM and WDFW and WDOH databases is most appropriate for SWAMPPS data management.
- Possible pilot studies

The SWG should also provide and pursue ongoing opportunities to hear from experts on implementation of our recommendations.

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Subgroup(s): Marine Nearshore Status and Trends; additional subgroups specific to each component of this monitoring might be formed

Deliverables: Delineation of nearshore areas inside/outside Urban Growth Areas
Mussel Watch workshop: recommendations for coordination and build-out
Recommend who/when QAPPs will be written and approved, and how funded
QAPPs, SOPs, site selection, data management recommendations
Briefings at SWG meetings by lead implementers

Timeline: UGA boundaries delineated and approved in early 2012
Mussel Watch workshop in spring 2012
Sediment sampling QAPP reviewed in spring 2012
Specific recommendations for site selection to SWG by September 2012
Specific recommendations for data management to SWG by November 2012
All draft QAPPs before permit effective in July 2013, or other timeline specified
Final QAPPs should be approved at least six months prior to sampling in 2015
Briefings TBD

Task 6: Communicate and coordinate with policy makers and other interested parties in Puget Sound

The SWG released its recommendations for SWAMPPS in October 2010, and has successfully used the caucuses to communicate our key decisions, and the reasons behind them, to staff members at a large number of organizations and entities across Puget Sound. A generic PowerPoint presentation is currently available and will be maintained as the basis of briefing others on our recommendations. To augment the communication and outreach that takes place through the caucuses represented by SWG members, the SWG has a standing Communication Subgroup that will develop draft presentation and briefing materials, and continue to develop and implement a communication strategy for other audiences.

Outreach to Elected Officials: Work remains to successfully communicate our recommendations to policy makers, specifically local elected officials and state legislators. The subgroup will continue to develop draft presentation and briefing materials and implement a communication strategy targeted to local elected officials.

“SWG Reporter”: The subgroup has also delivered regular updates through “SWG Reporter” editions delivered by email to hundreds of individuals. The SWG will continue to send out SWG Reporters on at least a quarterly basis, and more often as needed. All editions are archived on the SWG’s webpage.

Workshops: Before writing the draft scientific framework for SWAMPPS in 2009, the SWG hosted a “sprint” workshop of technical experts to inform priority-setting for a regional monitoring program. The SWG also hosted three successful public workshops in 2009-2010 to discuss development of the regional stormwater monitoring and assessment program. The SWG may use either of these formats again as specific needs are identified and resources become available and hopes to have at least one regional workshop in 2012-2013 to update interested parties on the status of SWAMPPS implementation. The SWG needs more resources to successfully host future workshops.

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Subgroup: Communication

Deliverables: SWG Reporters and archives
Workshop(s)
Other briefings

Timeline: Outreach to elected officials as needed
Bi-monthly or quarterly SWG Reporters ongoing
Workshop(s) TBD

Task 7: Participate in PSEMP and communicate and coordinate with other monitoring groups in Puget Sound

As of the date of this work plan update, the SWG is one of five topical work groups that have been formally commissioned by the Steering Committee for the new Puget Sound Ecosystem Monitoring Program (PSEMP). The SWG will deliver regular briefings to the steering committee.

The SWG will benefit from a more formalized means of exchanging information with the other topical work groups. The Puget Sound Monitoring Consortium (disbanded in July 2009) had proposed that the SWG and other work groups would select delegates to populate a Technical Committee to improve coordination and cross-topic exchange and analysis of information. The Steering Committee proposes to fill this role without creating another committee. The SWG will designate an official spokesperson to deliver briefings to the steering committee and coordinate with the other technical groups.

The most recent communication from PSEMP staff at the Partnership indicates that the SWG and other work groups will be asked to:

- Take “ownership” of relevant dashboard indicators/targets,
- Identify/inventory the main monitoring efforts relevant to stormwater,
- Identify cross work-group and other sorts of questions beyond the dashboard,
- Identify monitoring gaps and priorities, and
- Make recommendations for improving data-sharing, including what data streams need to be developed to make dashboard reporting easier.

Subgroup: None. Rely on chair, vice chair, staff, and official delegate and alternate as liaisons. Each is expected to provide the SWG with opportunities to comment on presentation materials. Additional points of communication/coordination with other PSEMP topical work groups may be named in the future.

Deliverables: Presentation and briefing materials
Participate in the ecosystem monitoring program as a topical work group
SWG spokesperson to PSEMP Steering Committee and alternate
Exchange of information with related work groups
Regular updates from Steering Committee

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Timeline: Official delegate to Steering Committee named in January 2012
 Standing agenda item for regular SWG meetings
 Other briefings TBD

Task 8: Begin to discuss expansions of SWAMPPS; scope and launch one or two new subgroups

The *2010 Strategy* described a comprehensive regional framework and set priorities for early implementation. The October 2010 *Recommendations for Municipal Stormwater Permit Monitoring* further narrowed down what monitoring activities to implement when and where in Puget Sound. In the draft scientific framework and in our communications to others, we specifically stated the need to expand this framework and priorities to other water bodies (*i.e.*, lakes, groundwater, wetlands, open marine, rivers), land uses (*i.e.*, industrial, forested), permit types (*i.e.*, WSDOT, industrial, construction), combined sewers, and geographic areas in Puget Sound. The status and trends monitoring that will be implemented via the NPDES municipal stormwater permit monitoring requirements addresses all land uses in two strata: inside and outside the Urban Growth Area boundaries.

The SWG needs to devote most of a meeting to an expansion priorities/capacity discussion in early 2012. Other permits, combined sewers, additional water bodies, more parameters are all possible expansions of the *2010 Strategy*. The work plan subgroup will tee up this discussion and invite interested parties to champion their issues. The SWG will set priorities for the next 12-24 months.

It is most important to successfully implement our 2010 recommendations in advance of expanding program implementation, but parallel processes can be launched using additional capacity. The SWG should recommend specific next steps to PSP and Ecology before the end of this work planning period. The recommendations need to include funding and implementation strategies.

During this work plan period, the Work Plan Subgroup will tee up a discussion and details for a well-defined process to make new recommendations. Criteria for launching a new technical subgroup might include timing of permit issuance or other pressing need, capacity to staff and populate a subgroup, etc. Criteria for new recommendations might include: articulation of the priority questions to be answered; specific elements of current monitoring efforts that should continue to provide information to answer monitoring questions; targeted additional monitoring needs to answer the questions; and a means of implementing the new monitoring over time (including funding, staff, and other resources).

Expansion topics that will be brought up for discussion could include:

- What would a monitoring program that informs highway stormwater management look like? What monitoring requirements should be included in the next WSDOT permit?
- What would a monitoring program that informs stormwater management at industrial and/or construction sites look like?
- What are the next priority water bodies to address and what would be the means for implementing status and trends monitoring in these water bodies?

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- What effectiveness studies should be done in addition to evaluating municipal stormwater management programs?
- What are other priority parameters or media that should be included in SWAMPPS based on our discussions with other work groups in the past months?
- How might SWAMMPS address combined sewer overflows? Clean-up efforts?

Subgroup: Work Plan

Deliverables: Evaluation of stakeholder representation in subgroups
Description of implementation of SWAMPPS strategy components
Gap analysis to articulate components of strategy not being implemented
Criteria for prioritizing which new tasks to address
Recommendations to PSP and Ecology
Form additional subgroups as needed

Timeline: Evaluation of subgroup composition in February 2012
Draft explanation of SWAMPPS implementation in March 2012
Discussion of draft criteria for expansion in March 2012
Tee up transportation, industrial, and other topics for discussion in spring 2012
Applying new criteria to topics at May meeting; decisions in June 2012

Task 9: Expand the SWAMMPS framework to address agricultural lands and issues

Stormwater runoff from agricultural lands is partly addressed by the prior recommendations of the work group, but new recommendations are needed to address agricultural runoff issues in a broader, more comprehensive way. The SWG commissioned a subgroup in early 2011 to propose expanding the *2010 Strategy* and building upon the *Recommendations for Municipal Stormwater Permit Monitoring* and other efforts to address agricultural issues. Due to limited SWG staff capacity, this subgroup is supported primarily by Washington State Conservation Commission staff. The subgroup presented draft recommendations to the SWG in October 2011 and will continue to meet approximately bi-monthly. The subgroup's materials, draft reports, and meeting agendas and summaries will be posted on the SWG webpages. Specifically, this subgroup is expected to:

- Review the small streams and nearshore status and trends monitoring parameter lists and consider adding agricultural pesticides and or other parameters for analysis at status and trends sites located outside Urban Growth Area (UGA) boundaries.
- Design a regional source identification and diagnostic monitoring strategy for agricultural issues.
- Design effectiveness studies for agricultural BMPs.
- Describe how the monitoring might be funded and conducted.

Subgroup: Agricultural Runoff

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Deliverables: Monitoring strategy for potential stormwater impacts from agricultural activities
Scientific framework, implementation plan, and funding approach
Recommendations to PSP, WCCC, WSDA, and Ecology

Timeline: Pesticide and habitat monitoring recommendations presented to SWG in January or February and approved in March 2012
Nutrient and bacteria monitoring recommendations to SWG in September and approved in October 2012
Effectiveness monitoring recommendations to SWG in November 2012 and approved in January 2013
Prioritized list of data gaps for agricultural runoff to SWG in February and approved in March 2013
Overall strategy including implementation and funding recommendations to SWG in September and approved in October 2013

Task 10: Oversee implementation of source identification and diagnostic monitoring

SWG oversight will be helpful for defining and implementing the process for developing the information repository described in our October 2010 recommendations. The first step of commissioning a literature review to guide the creation of the source identification and diagnostic monitoring repository took place in Fall 2011. In early 2012 a process to involve all interested parties in developing the repository itself will be outlined and implemented over the next 2-3 years.

Subgroup: Source Identification and Diagnostic Monitoring

Deliverables:

- Literature review for source identification repository (Washington Stormwater Center)
 - Summary of interviews of a subset of key local staff
 - Definitions of the types of data to be handled by the repository
- Clear description of the desired outcome of the Source Identification & Diagnostic Monitoring (SIDDM) component of the regional monitoring program, and the purposes of the SIDDM repository
 - Identify the SIDDM repository's specific goal and objectives
 - Identify the primary initial purposes for which the data will be used:
 1. Determine the performance, planning and operational survey questions that past Permit implementation experience could inform
 2. Survey Phase I & II Permittees and Ecology program managers about the types of questions/searches for which the SIDDM database could be used to identify which questions most likely to be useful
- Description of the type of relational database needed to meet objectives
 - Determination of whether an existing database can be adapted for this need
- Recommendations for process to define fields and meta data needs for database
- Description of data quality needs and importance of uniformity in meta data
- Implementation of process to define fields and meta data needs for database

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- Recommendations for maintaining the repository

Timeline: January-October 2012: subgroup oversee literature review and development of program goals and recommendations; brief SWG regularly
 October-November 2012: literature review, initial interviews, program specific goals and objectives, and description of initial database objectives complete (deliver to SWG for review and discussion at October meeting; approval at November meeting)
 2013-2014: subgroup oversee development and maintenance of the repository

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APPENDIX TO THE 2012-2013 WORK PLAN: PROPOSED SWG MEETING DATES AND AGENDA ITEMS

The SWG will meet on the following dates in 2012-2013 to discuss the following general topics. from 9:00 am to 12:00 pm (two exceptions noted) at the USGS office at 934 Broadway in Tacoma.

February 15, 2012 from 9:00 am to 1:00 pm at the USGS office at 934 Broadway in Tacoma

- Approve 2013-2014 work plan updates and discuss subgroup composition (Tasks 1 and 8)
- Discuss agricultural runoff pesticide and habitat monitoring recommendations (Task 9)
- Discuss proposed scoping paper for source identification literature review and interviews (Task 10)
- Name official delegate to PSEMP Steering Committee (Task 7)
- Determine messages and timing for next SWG Reporter (Task 6)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

March 21, 2012 from 9:00 am to 1:00 pm at the USGS office at 934 Broadway in Tacoma

- Approve agricultural runoff pesticide and habitat monitoring recommendations (Task 9)
- Discuss proposed scoping paper for source identification literature review and interviews (Task 10)
- Discuss proposed nearshore UGA boundary delineations (Task 5)
- Discuss visual presentation of SWAMPPS implementation (Tasks 1 and 8)
- Hear about findings of effectiveness literature review and discuss crosswalk with list of topics (Task 2)
- Determine messages and timing for next SWG Reporter (Task 6)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

April 18, 2012 from 9:00 am to 12:00 pm at the USGS office at 934 Broadway in Tacoma

- Discuss revised pooled resources oversight committee charter (Task 3)
- Approve revised list of effectiveness study topics (Task 2)
- Discuss proposal for overall process to solicit and select effectiveness studies (Task 2)
- Hear about streamflow gauging network analysis and discuss recommended next steps (Task 4)
- Approve nearshore UGA boundary delineations (Task 5)
- Discuss plans for Mussel Watch workshop (Task 5)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

May 16, 2012 from 9:00 am to 12:00 pm at the USGS office at 934 Broadway in Tacoma

- Discuss pre-proposal request for effectiveness studies (Task 2)
- Discuss priorities for expanding SWAMPPS (Task 8)
- Approve revised pooled resources oversight committee charter (Task 3)
- Determine messages and timing for next SWG Reporter (Task 6)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

June 13, 2012 from 9:00 am to 12:00 pm at the USGS office at 934 Broadway in Tacoma

- Approve pre-proposal request for effectiveness studies (Task 2)
- Hear report about the Mussel Watch workshop (Task 5)
- Agree on priorities for expanding SWAMPPS (Task 8)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

July 2012

- No SWG meeting

August 2012

- No SWG meeting

September 19, 2012

- Discuss agricultural runoff nutrient and bacteria monitoring recommendations (Task 9)

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- Discuss high-scoring pre-proposals for effectiveness studies (Task 2)
- Discuss nearshore biota monitoring site selection recommendations (Task 5)
- Discuss newly issued muni permits (Tasks 1, 2, 3, 4, and 5)
- Determine messages and timing for next SWG Reporter (Task 6)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

October 17, 2012

- Approve agricultural runoff nutrient and bacteria monitoring recommendations (Task 9)
- Approve nearshore biota monitoring site selection recommendations (Task 5)
- Discuss source identification and diagnostic monitoring findings and recommendations (Task 10)
- Discuss proposed position description for monitoring program manager (Tasks 1 and 3)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

November 14, 2012

- Approve source identification and diagnostic monitoring findings and recommendations (Task 10)
- Discuss agricultural runoff effectiveness monitoring recommendations (Task 9)
- Discuss data management recommendations (Tasks 2, 4, 5, 10, 11)
- Direct subgroups to propose 2013-2014 work plan updates
- Determine messages and timing for next SWG Reporter (Task 6)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

December 2012

- No SWG meeting

January 2013

- Approve agricultural runoff effectiveness monitoring recommendations (Task 9)
- Approve data management recommendations (Tasks 2, 4, 5, 10, 11)
- Discuss 2013-2014 work plan (Task 1)
- Nominations for chair and vice chair for 2-year terms (Task 1)
- Determine messages and timing for next SWG Reporter (Task 6)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

February 2013

- Select chair and vice-chair (Task 1)
- Approve 2013-2014 work plan (Task 1)
- Discuss prioritized list of agricultural runoff data gaps (Task 9)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

March 2013

- Approve prioritized list of agricultural runoff data gaps (Task 9)
- Determine messages and timing for next SWG Reporter (Task 6)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

April 2013

- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

May 2013

- Determine messages and timing for next SWG Reporter (Task 6)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

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June 2013

- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

July 2013

- No SWG meeting

August 2013

- No SWG meeting

September 2013

- Discuss overall agricultural runoff monitoring strategy implementation recommendations (Task 9)
- Determine messages and timing for next SWG Reporter (Task 6)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

October 2013

- Approve overall agricultural runoff monitoring strategy implementation recommendations (Task 9)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

November 2013

- Direct subgroups to propose 2014-2015 work plan updates (Task 1)
- Determine messages and timing for next SWG Reporter (Task 6)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

December 2013

- No SWG meeting

January 2014

- Discuss 2014-2015 work plan updates (Task 1)
- Determine messages and timing for next SWG Reporter (Task 6)
- Hear status of implementing this work plan (Task 1)
- Hear from PSEMP Steering Committee and other work groups (Task 7)

TASK TIMELINE FOR 2012-2013:

	2012												2013												2014													
Task	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D														
1,8	Updates	Priorities for expansion-----										Work plan updates										Work plan updates																
2	Effectiveness list update and pre-proposal												RFP for study designs										permit oversight-----															
3	Permit comments				Oversight charter				Position description										permit oversight-----																			
4	Network analysis				Streams QAPP														permit oversight-----																			
5	UA delineation				MW workshop				----- QAPPs -----										permit oversight-----																			
6	Communication-----																																					
7	Coordination with PSEMP-----																																					
9	Pesticides				Nutrients/bacteria				Effectiveness										Agricultural lands framework																			
10	Source ID lit review and recommendations-----												Create repository-----																									